

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/03/04

Date Received: 10/21/04

Project: Metro Self Monitor, PO# M105121, F&BI 410209

Date Extracted: 10/28/04

Date Analyzed: 10/28/04

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL METALS BY
INDUCTIVELY COUPLED PLASMA (ICP)
(METHOD 6010)**

Results Reported as mg/L (ppm)

<u>Sample ID</u> Laboratory ID	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M105121 410209-01	0.16	0.18	0.18	<0.05
Method Blank	<0.05	<0.05	<0.10	<0.05

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QUALITY ASSURANCE RESULTS FOR TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Laboratory Code: 410209-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	mg/L (ppm)	0.16	0.16	0	0-20
Copper	mg/L (ppm)	0.18	0.19	5	0-20
Nickel	mg/L (ppm)	0.18	0.19	5	0-20
Zinc	mg/L (ppm)	<0.05	<0.05	nm	0-20

Laboratory Code: 410209-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Chromium	mg/L (ppm)	5	0.16	93	50-150
Copper	mg/L (ppm)	5	0.18	90	50-150
Nickel	mg/L (ppm)	10	0.18	92	50-150
Zinc	mg/L (ppm)	5	<0.05	96	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Chromium	mg/L (ppm)	5	97	96	70-130	1
Copper	mg/L (ppm)	5	95	95	70-130	0
Nickel	mg/L (ppm)	10	95	95	70-130	0
Zinc	mg/L (ppm)	5	97	97	70-130	0

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

410209

SAMPLE CHAIN OF CUSTODY

CM 10/21/04

AI1

Send Report To GERARD Thompson
 Company Alaska Copper works
 Address 628 S. Harbor St
 City, State, ZIP Seattle WA 98134
 Phone # 206-382-8379 Fax # 206-382-4309

SAMPLERS (signature)

PROJECT NAME/NO.

Keeno Self Monitor

PO #

M105121

REMARKS

Page # of

TURNAROUND TIME

☐ Standard (2 Weeks)☐ RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED										Notes			
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS								
m105121	01	10/21/04	11:00	H2O	1								AC/Cy 4/20						

Friedman & Bruya, Inc.
 3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

FORMS\COC\COC.DOC

SIGNATURE

Relinquished by:

Received by:

Relinquished by:

Received by:

PRINT NAME

G. ThompsonNhan Phan

COMPANY

AcwFBI

DATE

10/21/0410/21/04

TIME

11:4511:45

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
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FAX: (206) 283-5044
e-mail: fbi@isomedia.com

November 3, 2004

DUPLICATE COPY

INVOICE #04ACU1103-2

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M105121, F&BI 410209 - Results of testing
requested by Gerry Thompson for material submitted on October 21, 2004.

1 sample analyzed for Total Chromium, Copper, Nickel and Zinc by Method 6010B @ \$80 per sample	<u>\$ 80.00</u>
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Amount Due	\$ 80.00
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FEDERAL TAX ID #(b) (6)

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November 3, 2004

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

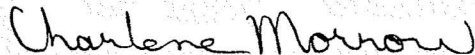
Dear Mr. Thompson:

Included are the results from the testing of material submitted on October 21, 2004 from the Metro Self Monitor, PO# M105121, F&BI 410209 project. There are 2 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Charlene Morrow
Chemist

Enclosures
ACU1103R.DOC